



SEQUENCE LISTING

<110> ISHIMA, Masahiro
YOSHIDA, Tsutomu
YAMAZAKI, Takayuki
SUGAWARA, Fumio
HATTA, Kiyoshige
SHIMOJOE, Manabu
MASAKI, Kazuyoshi

<120> NOVEL PEPTIDES, DERIVATIVES THEREOF, PROCESS FOR PRODUCING THE SAME,
NOVEL STRAIN PRODUCING THE SAME, AND ANTIVIRAL AGENT COMPRISING THE SAME
AS ACTIVE INGREDIENT

<130> 03461C/HG

<140> US 10/632, 949

<141> 2003-07-31

<150> JP 2001-032729

<151> 2001-02-08

<160> 6

<170> PatentIn Ver. 2.0

<210> 1

<211> 14

<212> PRT

<213> Pseudomonas sp.

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<221> SITE

<222> (1)

<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

<220>

<221> SITE

<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at
(14) esterified to make a cyclic structure

<400> 1

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
1 5 10

<210> 2
<211> 14
<212> PRT
<213> Pseudomonas sp.

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<222> (1)
<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

<220>
<221> MUTAGEN
<222> (3), (6), (11), (13)
<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

<220>
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<222> (7) and (14)
<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

<400> 2

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
1 5 10

<210> 3
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<222> (1)
<223> a 3-hydroxy decanoyl group is bonded to the amino group of Leu (1)

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<222> (3), (6), (11), (13)

<223> Each of the Gln's at (3), (6), (11), (13) is modified to Dbu, which is 2,4-diaminobutyric acid

<400> 3

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
1 5 10

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<222> (1)

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Leu at (14) esterified to make a cyclic structure

<400> 4

Leu Glu Gln Val Leu Gln Ser Val Val Leu Gln Leu Gln Leu
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<210> 5

<211> 14

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<213> Pseudomonas sp.

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<220>

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

<400> 5

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
1 5 10

<210> 6

<211> 14

<212> PRT

<213> Pseudomonas sp.

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<222> (2)

<223> Glu at (2) is alkylated

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<222> (7) and (14)

<223> The hydroxy group of Ser at (7) and the carboxylic group of Ile at (14) esterified to make a cyclic structure

<400> 6

Leu Glu Gln Val Leu Gln Ser Val Leu Leu Gln Leu Gln Ile
1 5 10